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10” BANDSAW
OPERATING INSTRUCTIONS

MODEL: W715

CE

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GENERAL SAFETY RULES

WARNING: Do not attempt to operate the machine until you have thoroughly read and understood completely all instructions, rules, etc. contained in this manual. Failure to comply may result in accidents involving fire, electric shock, or serious personal injury. Keep this owner's manual and review frequently for continuous safe operation.

1. Know your machine. For your own safety, read the owner's manual carefully. Learn its application and limitations, as well as specific potential hazards pertinent to this machine.

2. Make sure all tools are properly earthed.

3. Keep guards in place and in working order. If a guard must be removed for maintenance or cleaning, make sure it is properly replaced before using the machine again.

4. Remove adjusting keys and spanners. Form a habit of checking to see that the keys and adjusting spanners are removed from the machine before switched it on.

5. Keep your work area clean. Cluttered areas and workbenches increase the chance of an accident.'

6. Do not use in dangerous environments. Do not use power tools in damp or wet locations, or expose them to rain. Keep work areas well illuminated.

7. Keep children away.

8. All visitors should be kept a safe distance from the work area.

9. Make workshop childproof. Use padlocks, master switches and remove starter keys.

10. Do not force the machine. It will do the job better and be safer at the rate for which it is designed.

11. Use the right tools. Do not force the machine or attachments to do a job for which they are not designed. Contact the manufacturer or distributor if there is any question about the machine's suitability for a particular task.

12. Wear proper apparel. Avoid loose clothing, gloves, ties, rings, bracelets, and jewellery which could get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.

13. Always use safety glasses. Normal spectacles only have impact resistant lenses. They are not safety glasses.

14. Do not over-reach. Keep proper footing and balance at all times.

15. Maintain the machine in good condition. Keep the machine clean for best and safest performance. Follow instructions for lubrication and changing accessories.

16. Disconnect the machine from power source before servicing and when changing the blade.

17. Never leave the machine running unattended. Turn the power off. Do not leave the machine until it comes to a complete stop.

18. Do not use any power tools while under the effects of drugs, alcohol or medication.

19. Always wear a face or dust mask if operation creates a lot of dust and/or chips. Always operate the tool in a well ventilated area and provide for proper dust removal. Use a suitable dust extractor.

ADDITIONAL RULES FOR BAND SAWS

1. Ensure that the saw table is clear of off-cuts, tools or anything else that might foul the work-piece.

2. When cutting long boards use one or more roller stand(s) to support the work or have a competent helper to support it as it feeds off the rear of the table.

3. Always make sure that the blade is tracked and tensioned correctly before starting to use the saw.

4. Always use a brush to clear the table of dust or debris. **NEVER** use your hands, especially when the machine is running.

5. Always ensure that the thrust bearings and guide blocks are correctly adjusted before using the saw.

6. ALWAYS USE A PUSH STICK WHEN IT IS NECESSARY TO PUSH ANY PIECE OF MATERIAL OF SUCH SIZE THAT IT WOULD BRING YOUR HANDS WITHIN 30 CM OF THE BLADE.

7. Do not cut material that is badly warped or which has screws or nails in it.

8. Be extra vigilant when cutting stock which has loose knots in it as these my fly out of the saw.

9. NEVER tilt the table when the saw is running.

10. To avoid exposure to hazardous dust, do not use this saw without connecting it to a suitable dust extractor.

11. Always work with a sharp saw blade and feed the work at a rate suited to the thickness and hardness of the material.

Note: This band saw has been designed and built solely as a woodworking machine. Do not modify it in any way or use it for anything other than its designated purpose. Neither the manufactures nor the supplier are liable for any damage or injury caused by incorrect assembly, operation or electrical connection of this machine.

Specification

Table size	340 x 335 mm
Motor	370W
Blade length	1712 mm
Blade speed (no load)	1400±10% m/min
Blade widths	6 to 12 mm
Maximum depth of cut at 90°	100mm
Maximum depth of stock at 45°	70mm
Throat capacity	250mm
Dust extractor hose connection	40mm
Weight	30kg net

Features

Precision ground, cast iron table with adjustable scale on rip fence carrier

0 to 45° table tilt

High Quality, British made blade

Easily portable machine

Quick release, positive lock rip fence

Cross cut/mitre fence with easily read scale

Tool free blade tracking and tensioning

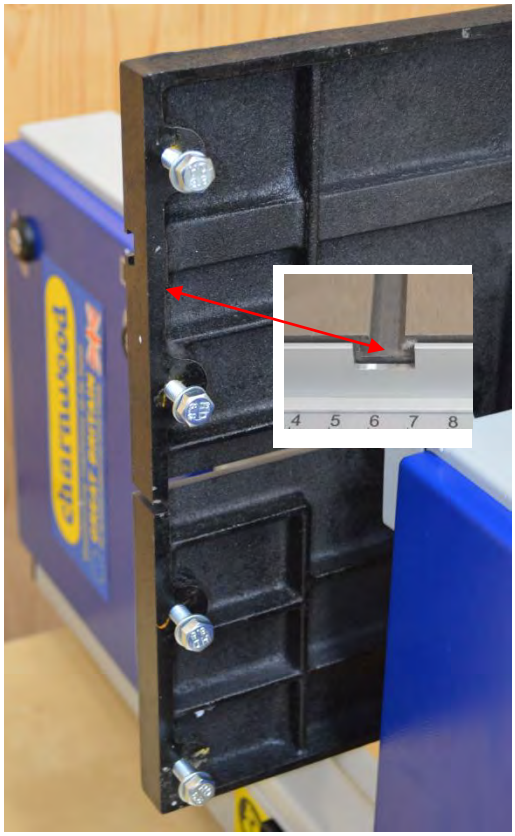
Unpacking

Cut the strapping and remove the carton from the polystyrene insert. Remove all parts from the packaging

Assembly

Place the saw, so that it is lying on its back. Hold the table in place with the four threaded holes in line with the holes in the upper trunnion. Fix it in place with two of the four bolts and serrated washers provided

Tilt the table and fit the remaining two bolts and washers, tightening the bolts after all four have been fitted.

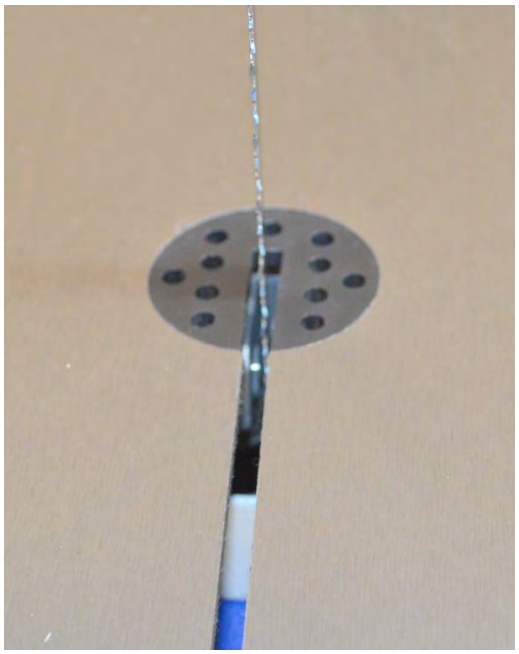


Screw the four hex, headed bolts and washers into the tapped holes on the underside of the table and slide the rip fence carrier on to them.

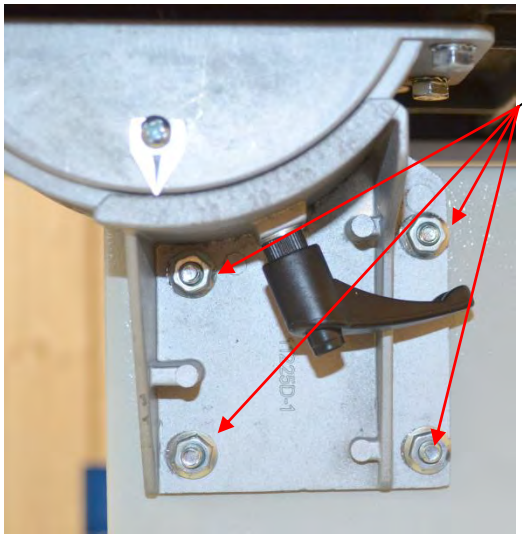
Make sure that it is a snug fit. If you do not keep it tight to the table the rip fence will not be perpendicular to the table.

Make sure that the cut out in the carrier is aligned with the tee slot in the table or you will not be able to insert the crosscut/mitre fence.

The scale is adjustable separately



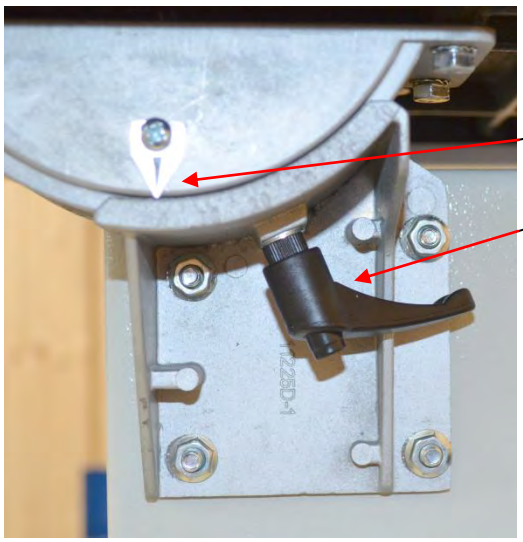
Check to see if the blade is centred in the slot. You will probably find that it is offset to one side or the other.



The lower trunnion is attached to the body of the saw by four hex headed bolts.

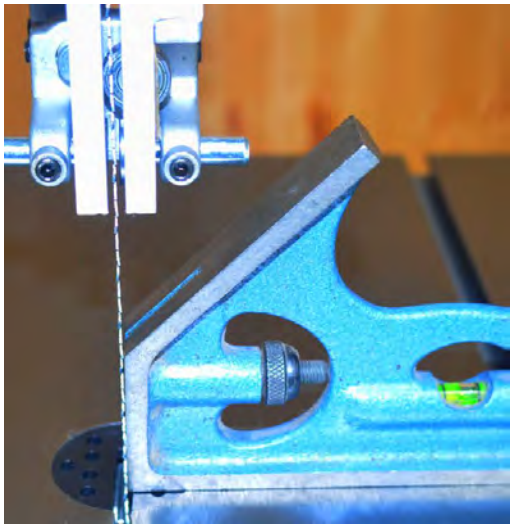
These may be slackened and the trunnion slid in either direction until the blade is centred.

After adjustment, tighten them securely.



Adjustable pointer.

This lever locks and unlocks the trunnion so that the table may be tilted.



Having set the table so that the blade is centred, apply a little tension to the blade and use a set square to position the table at right angles to it.

Lock it in position and if necessary, adjust the pointer so that it aligns with the zero as shown above

Screw in and lock the push stick hanger on the back of the frame.

This completes the assembly of your saw.

Setting up your saw

Blade tensioner

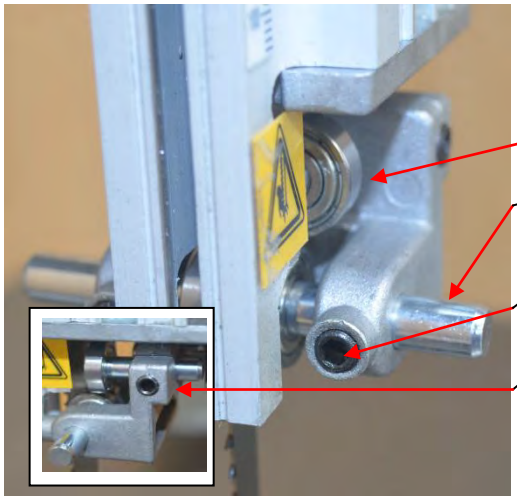
Blade guard positioner and lock

Tracking control and lock

Adjust the blade tension by hand wheel on top of the upper housing.

'Pluck' the back of the blade, as you would the string of a double bass, at this point. As the blade tension is increased, the pitch of the sound will rise. Stop increasing the tension as soon as the sound starts to become dull. Alternatively, raise the blade guard to its highest position and adjust tension until the blade, at the midpoint between table and guard can be deflected only 3 to 5 mm with finger pressure.

Turn the upper wheel clockwise, by hand and adjust the tracking control until the blade is centred on the wheel, as shown in the inset illustration. Lock the adjuster in this position.



The upper and lower thrust bearings and guide pins should be set up next.

Thrust bearing

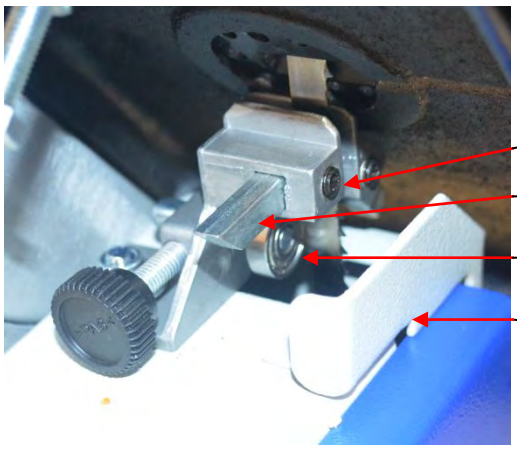
Guide pin

Guide pin locking screw

Thrust bearing locking screw

The thrust bearing should be about 0.5 mm behind the back of the blade. Adjust it and lock it place.

Slacken the guide pin locking screws, push the pins in until they touch the blade. Rotate the top wheel by hand a few turns and lock the pins in the position they have assumed.



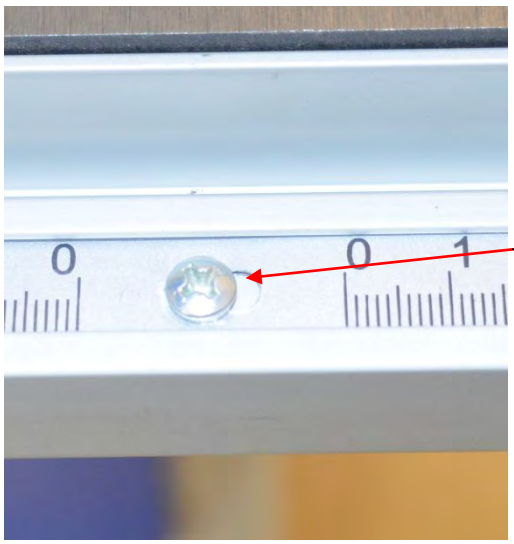
The lower thrust bearing and guide pins are adjusted similarly.

Guide pin locking screw

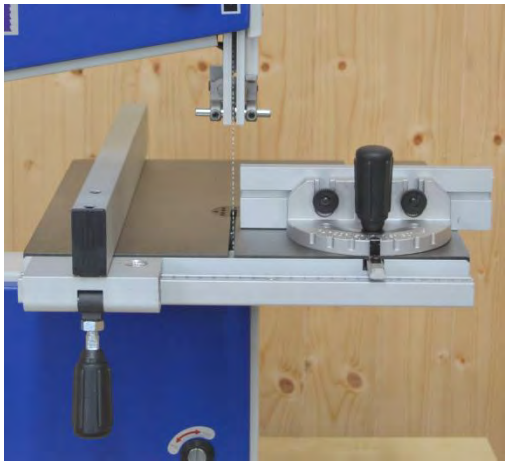
Guide pin

Lower thrust bearing

Blade guard



The scale is adjustable and can be slid within its housing by slackening this screw.



This bandsaw is equipped with a rip fence and a cross cut/mitre fence which can be fitted as shown.

The rip fence may be used on either side of the blade and may also serve as a length stop for repetitive cross or mitre cuts.

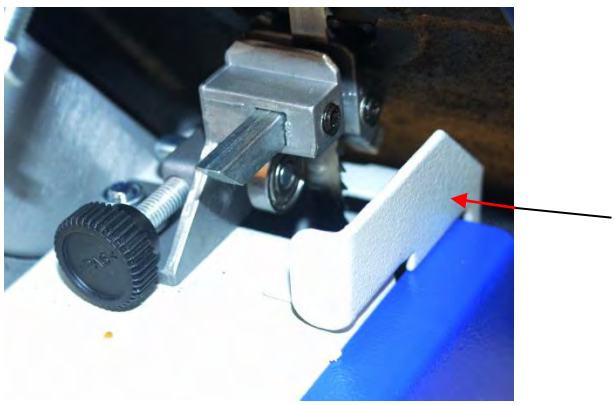
Your bandsaw is now ready for use but it is recommended that it be bolted to a bench and that a suitable dust extractor is connected.

Changing the Blade

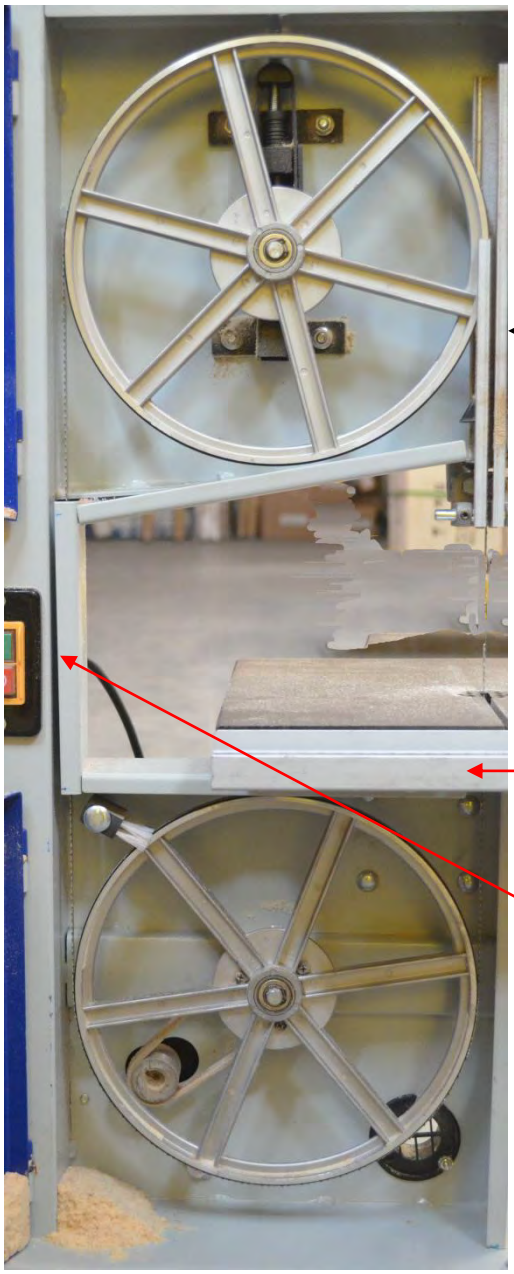
Bandsaw blades are sharp enough to cause injury even when too blunt to cut wood! It is recommended that protective gloves be worn when handling blades.

Unplug the bandsaw from the mains socket, slacken off the blade tension and open the upper and lower housing doors with the aid of a suitable screwdriver.

Remove the rip fence carrier.



Loosen the bolt and swing the lower blade guard out of the way.


Lower the upper blade guide
Remove the rip fence carrier (shown here still in place)
Slide blade off upper and lower wheels, bringing it out of the machine via the slots in the rear frame and the blade guard.

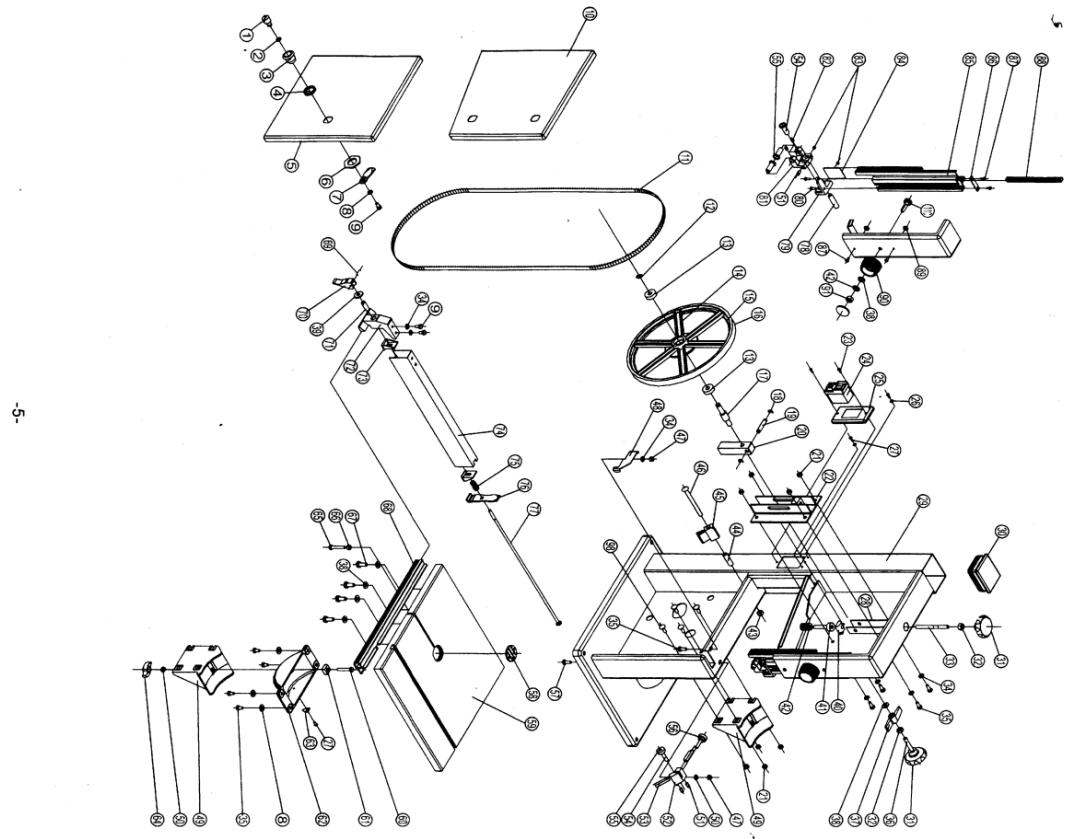
Reverse these steps to fit the new blade. Ensure that the teeth are at the front and pointing down.

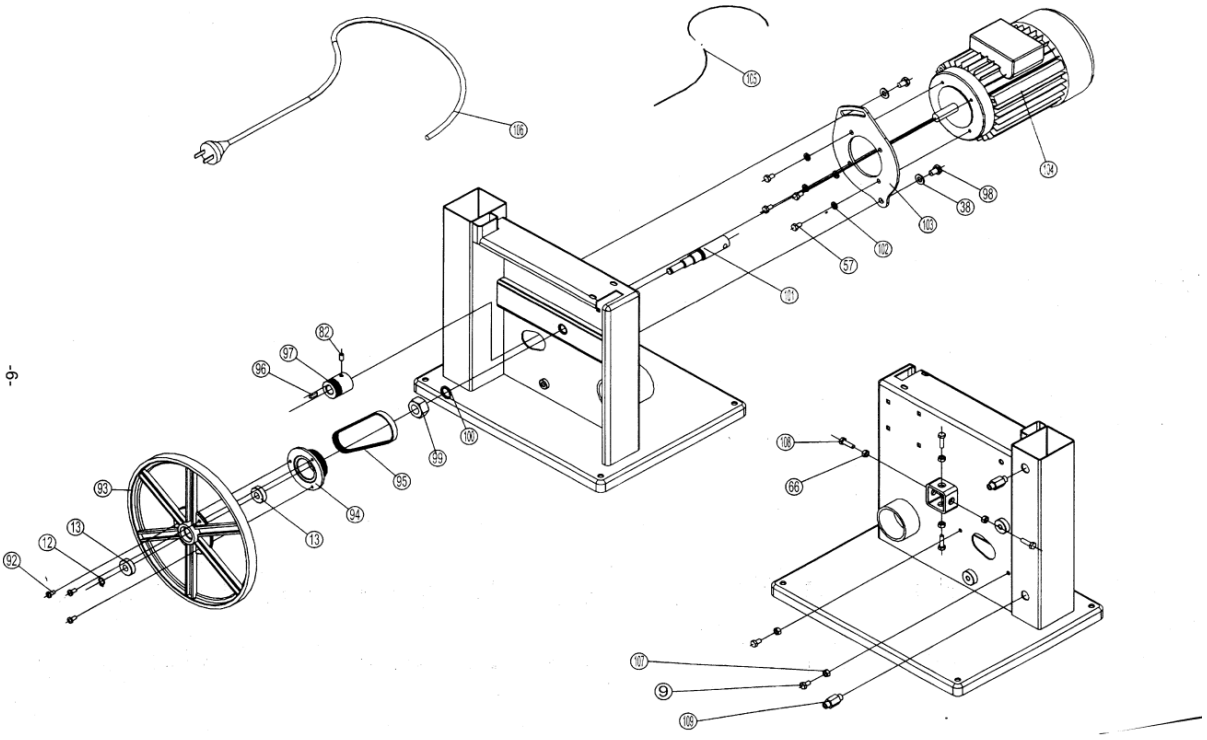
Position the blade between the guide pins. Tension and adjust the tracking as done during the initial set up. Check and adjust, if necessary, the position of the two thrust bearings and the guide pins.

Parts List		
Item	**Description**	**Quantity**
1	Slotted Insert	3
2	Washer	3
3	Housing	3
4	Washer	3
5	Lower Door	1
6	Housing, with nut	3
7	Tongue	3
8	Ext. lock washer 6mm	3
9	Hex. head bolt M6x10	5
10	Upper door	1
11	Saw blade	1
12	Retaining ring	2
13	Ball bearing	4
14	Upper wheel	1
15	Balance collar	1
16	Tyre	2
17	Upper bearing bolt	1
18	‘E’ rings	2
19	Pin guide	1
20	Upper seat bearing bolt	1
21	Hex head flange nut	8
22	Guide plate assembly	1
23	Countersunk set screw	2
24	NVR switch	1
25	Switch plate	1
26	Ext. lock washer	2
27	Pan head set screw	2
28	Blade tensioner	1
29	Frame	1
30	Back plastic plug	1
31	Blade tensioner tracking knob	21
32	Nut	1
33	Threaded rod	1
34	Washer	8
35	Hex head bolt	9
36	Hex head bolt	1
37	Wing nut	1
38	Washer	10
39	Washer	1
40	Nut	1
41	Shaft	1
42	Spring	18
43	Hex head flange nut	1
44	Spacer	1
45	Brush	1
46	Square head bolt	1
47	Hex head lock nut	2
48	Lower blade guard	1

49	Lower trunnion	1
50	Washer	1
51	Cap head screw	3
52	Thrust bearing retaining block	1
53	Guide pin	2
54	Thrust bearing shaft	4
55	Thrust bearing	4
56	Setting screw	1
57	Hex. head bolt	8
58	Table insert	1
59	Table	1
60	Coach bolt	1
61	Guide piece	1
62	Upper trunnion	1
63	Indicator	1
64	Tilt locking lever	1
65	Hex. head bolt	1
66	Nut	5
67	Hex. head bolt	4
68	Rip fence carrier	1
69	Roll pin	1
70	Rip fence locking lever	1
71	Spindle	1
72	Rip fence slide	1
73	End cap	2
74	Fence	1
75	Spring	1
76	Clamp	1
77	Threaded rod	1
78	Shaft	1
79	Upper blade guide bracket	1
80	Self tapping screw	2
81	Upper blade guide housing	1
82	Cap head screw	3
83	Cap head screw	2
84	Upper blade guide - fixed piece	1
85	Upper blade guide - movable piece	1
86	End cap	1
87	Screw	4
88	Rack	1
89	Guide	2
90	Upper blade guard adjustment knob	1
91	Lock nut	1
92	Screw	3
93	Lower wheel	1
94	Driven pulley	1
95	Drive belt	1
96	Key	1
97	Motor pulley	1
98	Coach bolt	4
99	Nut	1
100	Spring washer	1
101	Upper bearing bolt	1

102	Spring washer	4
103	Motor mounting plate	1
104	Motor	1
105	Motor cable	1
106	Mains cable	1
107	Nut	2
108	Hex head bolt	4
109	Strain relief	2
110	Shaft	1





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